Ophthalmology

Cumulative Contents of Volume 108

Contents

Volume 108, Number 1, January 2001

Letters to the Editor 1

Truth and Consequences

Congenital Esotropia

The Pulfrich Phenomenon

Intraocular Foreign Bodies

Extended Wear Hydrogels

Vesalius Landmark Work

T-cell Lymphoma and Ophthalmic Abnormalities

Editorial: **Retinal Prosthesis: An Encouraging First Decade with Major Challenges Ahead** 13

Joseph Rizzo, MD, John Wyatt, PhD, Mark Humayun, MD, PhD, Eugene de Juan, MD, Wentai Liu, PhD, Alan Chow, MD, Rolf Eckmiller, PhD, Eberhart Zrenner, MD, Tohru Yagi, PhD, Gary Abrams, MD

Foveal Pseudocyst as the First Step in Macular Hole Formation: A Prospective Study by Optical Coherence Tomography 15

Belkacem Haouchine, MD, Pascale Massin, MD, Alain Gaudric, MD

Clinical Course and Surgical Treatment of Macular Epiretinal Membranes in Young Subjects 23

Michael J. Banach, MD, Tarek S. Hassan, MD, Morton S. Cox, MD, Raymond R. Margherio, MD, George A. Williams, MD, Bruce R. Garretson, MD, Michael T. Trese, MD

The Outcome of Retinopathy of Prematurity: Screening for Retinopathy of Prematurity Using an Outcome Predictive Program 27
Cassandra B. Onofrey, MD, William J. Feuer, MS, John T. Flynn, MD
Discussion: *C. Gail Summers, MD* 34

Incidence and Rate of Disappearance of Retinal Hemorrhage in Newborns 36
M. Vaughn Emerson, AB, Dante J. Pieramici, MD, Kathleen M. Stoessel, MD, John P. Berreen, MD, Ray F. Gariano, MD, PhD

An Assessment of Intraocular Pressure Rise in Patients with Gas-filled Eyes during Simulated Air Flight 40
Michael D. Mills, MD, Robert G. Devenyi, MD, FRCS(C), Wai-Ching Lam, MD, FRCS(C), Alan R. Berger, MD, FRCS(C), Captain Daan Beijer, BSc, Simon R. Lam, MD, FRCS(C)

Clinicopathologic Findings in Eyes with Retained Perfluoro-*n*-octane Liquid 45
Sarah H. Elsing, MD, Sharon Fekrat, MD, W. Richard Green, MD, Stanley Chang, MD, Stephen D. Wajer, BS, Julia A. Haller, MD

Unilateral Cone Dysfunction with Bull's Eye Maculopathy 49
Ryoji Nomura, MD, Mineo Kondo, MD, Atsuhiro Tanikawa, MD, Noriaki Yamamoto, MD, Hiroko Terasaki, MD, Yozo Miyake, MD

The Contribution of Indocyanine Green Angiography to the Appraisal and Management of Vogt-Koyanagi-Harada Disease 54
Nadia Bouchenaki, MD, Carl P. Herbort, MD, PhD

Perceived and Actual Performance of Daily Tasks: Relationship to Visual Function Tests in Individuals with Retinitis Pigmentosa 65
Janet P. Szlyk, PhD, William Seiple, PhD, Gerald A. Fishman, MD, Kenneth R. Alexander, PhD, Sandeep Grover, MD, Carolyn L. Mahler, MS

Pattern Visual Evoked Potential in the Diagnosis of Functional Visual Loss 76
Shizhao Xu, MD, David Meyer, MD, Seth Yoser, MD, Dennis Mathews, OD, John L. Elfervig, MD
Discussion: *Larry Frohman, MD* 80

A Comparison of Visual Results and Complications in Eyes with Posterior Chamber Intraocular Lens Dislocation Treated with Pars Plana Vitrectomy and Lens Repositioning or Lens Exchange 82
Ramin Sarrafizadeh, MD, PhD, Alan J. Ruby, MD, Tarek S. Hassan, MD, George A. Williams, MD, Bruce R. Garretson, MD, Michael T. Trese, MD, Raymond R. Margherio, MD

Safety of Posterior Chamber Phakic Intraocular Lenses for the Correction of High Myopia: Anterior Segment Changes after Posterior Chamber Phakic Intraocular Lens Implantation 90
Ignacio Jiménez-Alfaro, MD, José M. Benítez del Castillo, MD, Julian García-Feijoó, MD, Javier G. Gil de Bernabé, MD, José M. Serrano de la Iglesia, MD

Discussion: *Scott MacRae, MD* 99

Uveal Effusion after Cataract Surgery: An Echographic Study 100
Khalid Sabti, MD, FRCSC, Susan K. Lindley, MD, FRCSC, Magdi Mansour, MD, Marino Discepola, MD, FRCSC

Clear Lens Extraction with Intraocular Lens Followed by Photorefractive Keratectomy or Laser In Situ Keratomileusis 104
Mihai Pop, MD, Yves Payette, MSc, Marcel Amyot, MD

Corneal Haze after Photorefractive Keratectomy Using Different Epithelial Removal Techniques: Mechanical Debridement versus Laser Scrape 112
Young G. Lee, MD, Willie Y. W. Chen, MD, W. Matthew Petroll, PhD, H. Dwight Cavanagh, MD, PhD, James V. Jester, PhD

Bilateral Infectious Keratitis after Laser In Situ Keratomileusis: A Case Report and Review of the Literature 121
Prashant Garg, MS, Aashish K. Bansal, MS, Savitri Sharma, MD, Geeta K. Vemuganti, MD

Living Related Conjunctival Limbal Allograft for the Treatment of Stem Cell Deficiency 126
Sheraz M. Daya, FRCS (Ed), FACS, Luca Ilari, MD

Discussion: *Edward J. Holland, MD* 133

Pseudoadenomatous Hyperplasia of the Conjunctiva 135
Curtis E. Margo, MD, MPH, Hans E. Grossniklaus, MD

Twenty-four-hour Time Course of Intraocular Pressure in Healthy and Glaucomatous Africans: Relation to Sleep Patterns 139
Christian Noël, MD, Abdoua M. Kabo, MD, Jean-Paul Romanet, MD, Alain Montmayeur, MD, PhD, Alain Buguet, MD, PhD

Intraocular Pressure Changes after Treatment for Graves' Orbitopathy 145
Helen V. Danesh-Meyer, FRACO, Peter J. Savino, MD, Vincent Deramo, MD, Robert C. Sergott, MD, Andrew F. Smith, PhD

Prevalence of Split Nerve Fiber Layer Bundles in Healthy Eyes Imaged with Scanning Laser Polarimetry 151
Thomas P. Colen, MD, Hans G. Lemij, MD, PhD

The Feasibility of Short Automated Static Perimetry in Children 157
Jose Morales, MD, Sandra M. Brown, MD

The Association between Nonstrabismic Anisometropia, Amblyopia, and Subnormal Binocularity 163
David R. Weakley, Jr., MD

Iris Melanoma: Risk Factors for Metastasis in 169 Consecutive Patients 172
Carol L. Shields, MD, Jerry A. Shields, MD, Miguel Materin, MD, Eric Gershenbaum, MD, Arun D. Singh, MD, Andrew Smith, PhD

Ophthalmic Involvement as a Presenting Feature of Nonorbital Childhood Parameningeal Embryonal Rhabdomyosarcoma 179
Paul B. Mullaney, FRCOphth, Naeem U. Nabi, FRCOphth, Paul Thorner, MD, PhD, Raymond Buncic, MD, FRCSC

Nontraumatic Subperiosteal Orbital Hemorrhage 183
Maged L. Atalla, FRACO, Alan A. McNab, FRACO, Timothy J. Sullivan, FRACO, Brian Sloan, FRACO

Ocular Injury from the Venom of the Southern Walkingstick 190
Evelyn A. Paysse, MD, Samantha Holder, David K. Coats, MD

Self-inflicted Anterior Scleritis 192
Ehud Zamir, MD, Russell W. Read, MD, Narsing A. Rao, MD

Acute Ophthalmoparesis (without Ataxia) Associated with Anti-GQ1b IgG Antibody: Clinical Features 196
Nobuhiro Yuki, MD, PhD, Masaaki Odaka, MD, PhD, Koichi Hirata, MD, PhD

Gaze-evoked Amaurosis Produced by Intraorbital Buckshot Pellet 201
Helen V. Danesh-Meyer, FRACO, Peter J. Savino, MD, Jurij R. Bilyk, MD, Robert C. Sergott, MD, Kenneth Kubis, MD

Instructions for Authors 207

Appendix: Study Design Scheme, Structured Abstract Sections and Study Design Worksheets 212

Contents

Volume 108, Number 2, February 2001

Letters to the Editor 235

Fluorescein Angiography in Laser Treatment of Diabetic Macular Edema

Retinal Detachment after Clear Lens Extraction for High Myopia

Topical MMC for Subepithelial Fibrosis after Refractive Corneal Surgery

Visual Outcome after Intravitreal Steroid Use for Postoperative Endophthalmitis

Goldmann vs Humphrey Perimetry for Occipital Lobe Lesions
Restricted Motility for Vertical Strabismus in Graves' Ophthalmopathy
Apology
Hydrochloroquine Retinopathy

Guest Editorial: **The "Not Quite" Natural History of Normal-Tension Glaucoma** 245
Joseph Caprioli, MD, Maureen Maguire, PhD

Natural History of Normal-Tension Glaucoma 247
Collaborative Normal-Tension Glaucoma Study Group

Primary Viscocanalostomy versus Trabeculectomy in White Patients with Open-angle Glaucoma: A Randomized Clinical Trial 254
Christian P. Jonescu-Cuypers, MD, Philipp C. Jacobi, MD, Walter Konen, MD, Günter K. Krieglstein, MD

A Double-masked, Randomized Clinical Trial Comparing Latanoprost with Unoprostone in Patients with Open-angle Glaucoma or Ocular Hypertension 259
Remo Susanna, Jr., MD, Jair Giampani, Jr., MD, Adriana S. Borges, MD, Roberto M. Vessani, MD, Marcelo L. S. Jordao, MD

Comparison of the Corneal Effects of Latanoprost, Fixed Combination Latanoprost-Timolol, and Timolol: A Double-masked, Randomized, One-year Study 264
Jonathan H. Lass, MD, Gina L. Eriksson, BA, Lisa Osterling, MSc, Catherine V. Simpson, BS, for the Latanoprost Corneal Effects Study Group

Long-term Results of Eyes with Penetrating Keratoplasty and Glaucoma Drainage Tube Implant 272
Young H. Kwon, MD, PhD, Jeffery M. Taylor, BS, Sungpyo Hong, MD, PhD, Robert A. Honkanen, MD, M. Bridget Zimmerman, PhD, Wallace M. Alward, MD, John E. Sutphin, MD

Posterior Repositioning of Glaucoma Implants for Anterior Segment Complications 279
Karen M. Joos, MD, PhD, Adrian M. Laviña, MD, Khaled A. Tawansy, MD, Anita Agarwal, MD

Optimum Criteria for Short-wavelength Automated Perimetry 285
Vicente Polo, MD, Jose M. Larrosa, MD, Isabel Pinilla, MD, Luis Pablo, MD, Francisco M. Honrubia, MD

Automated Static Perimetry: The Influence of Myopia and Its Method of Correction 290
Tin Aung, FRCS(Ed), FRCOphth, Paul J. Foster, FRCS(Ed), Steve K. Seah, FRCS(Ed), FRCOphth, Siew-Pang Chan, MSc, Wee-Kiak Lim, FRCS(Ed), FRCOphth, Hui-Min Wu, MBBS, Albert T. H. Lim, FRCS(Ed), Lionel Lee, MBBS, Sek-Jin Chew, FRCS(Ed), FRCOphth

Serum Autoantibodies to Heat Shock Proteins in Glaucoma Patients from Japan and the United States 296
Martin B. Wax, MD, Gülgün Tezel, MD, Kazuhide Kawase, MD, Yoshiaki Kitazawa, MD, PhD

Bitoric Laser In Situ Keratomileusis for the Correction of Simple Myopic and Mixed Astigmatism 303
Arturo S. Chayet, MD, Miguel Montes, MD, Laura Gómez, MD, Xavier Rodríguez, MD, Nora Robledo, OD, Scott MacRae, MD

Laser In Situ Keratomileusis for Myopia up to −11 Diopters with up to −5 Diopters of Astigmatism with the Summit Autonomous LADARVision Excimer Laser System 309
Marguerite B. McDonald, MD, Jonathan D. Carr, MD, Jonathan M. Frantz, MD, Alan M. Kozarsky, MD, Ezra Maguen, MD, Anthony B. Nesburn, MD, Yaron S. Rabinowitz, MD, James J. Salz, MD, R. Doyle Stulting, MD, Keith P. Thompson, MD, George O. Waring, III, MD
Discussion: *Mihai Pop, MD* 315

Factors Affecting the Forward Shift of Posterior Corneal Surface after Laser In Situ Keratomileusis 317
Tae Min Baek, MD, Kyung Hun Lee, MD, Fumie Kagaya, MD, Atsuo Tomidokoro, MD, Shiro Amano, MD, Tetsuro Oshika, MD

Bacterial Keratitis after Laser In Situ Keratomileusis 321
Shmuel Levartovsky, MD, George O. D. Rosenwasser, MD, Daniel F. Goodman, MD

Use of Polymerase Chain Reaction in the Diagnosis of Fungal Endophthalmitis 326
Appakkudal R. Anand, MSc, Hajib N. Madhavan, MD, PhD, Venkatasudha Neelam, MS, MLT, Therese K. Lily, PhD

Topical Ketorolac Tromethamine 0.5% Ophthalmic Solution in Ocular Inflammation after Cataract Surgery 331
Kerry D. Solomon, MD, Janet K. Cheetham, PharmD, Ronald DeGryse, MA, MS, Stephen F. Brint, MD, Allan Rosenthal, PhD

Successful Surgical Rehabilitation of Children with Traumatic Corneal Laceration and Cataract 338
Gerald W. Zaidman, MD, Teresa C. Ramirez, MD, Adam H. Kaufman, MD, David A. Palay, MD, Robert L. Phillips, MD, Norman B. Medow, MD
Discussion: *Albert W. Biglan, MD* 342

Does Cryotherapy Affect Refractive Error? Results from Treated versus Control Eyes in The Cryotherapy for Retinopathy of Prematurity Trial 343
Graham E. Quinn, MD, Velma Dobson, PhD, R. Michael Siatkowski, MD, Robert J. Hardy, PhD, Jane Kivlin, MD, Earl A. Palmer, MD, Dale L. Phelps, MD, Michael X. Repka, MD, C. Gail Summers, MD, Betty Tung, MS, Wenyaw Chan, PhD, for the Cryotherapy for Retinopathy of Prematurity Cooperative Group

Collaborative Ocular Melanoma Study (COMS) Randomized Trial of I-125 Brachytherapy for Medium Choroidal Melanoma: I. Visual Acuity after 3 Years, COMS Report No. 16 348
Prepared by: Collaborative Ocular Melanoma Study Group

Comparison of Microcirculation Patterns and MIB-1 Immunoreactivity in Iris and Posterior Uveal Melanoma 367
Itay Chowers, MD, Robert Folberg, MD, Nelly Livni, MD, Jacob Pe'er, MD

Outcomes of Vitreoretinal Surgery for Complications of Branch Retinal Vein Occlusion 372
Arezo Amirikia, MD, Ingrid U. Scott, MD, MPH, Timothy G. Murray, MD, Harry W. Flynn, Jr., MD, William E. Smiddy, MD, William J. Feuer, MS
Discussion: *William F. Mieler, MD* 375

Macular Hole Surgery in High Myopia 377
Santosh C. Patel, MD, Roy H. Loo, MD, John T. Thompson, MD, Raymond N. Sjaarda, MD

Site of Potential Operating Microscope Light-induced Phototoxicity on the Human Retina during Temporal Approach Eye Surgery 381
Mark A. Pavilack, MD, FACS, Roy D. Brod, MD

Uveitis Masquerade Syndromes 386
Aniki Rothova, MD, PhD, Francien Ooijman, MD, Frank Kerkhoff, MD, Allegonda Van der Lelij, MD, PhD, Henk M. Lokhorst, MD, PhD

Follow-up of Transnasal Orbital Decompression in Severe Graves' Ophthalmopathy 400
Olaf Michel, MD, PhD, Natascha Oberländer, MD, Peter Neugebauer, MD, Antje Neugebauer, MD, Walter Rüßmann, MD, PhD

Silicone Punctal Plug Extrusion Resulting from Spontaneous Dissection of Canalicular Mucosa: A Clinical and Histopathologic Report 405
Bruno Fayet, MD, Michael Assouline, MD, PhD, Sadeer Hanush, MD, Jean-Antoine Bernard, MD, François D'Hermies, MD, Gilles Renard, MD

The Quality of Reporting of Randomized Clinical Trials Published in *Ophthalmology* 410
Juan C. Sánchez-Thorin, MD, Maria C. Corrés, MD, Martha Montenegro, MD, Natalia Villate, MD

Ophthalmic Technology Assessment 416

Nonpenetrating Glaucoma Surgery
American Academy of Ophthalmology

Contents

Volume 108, Number 3, March 2001

Letters to the Editor 423

The Hazards of Assumptions

Biometric Gonioscopy for Measuring the Anterior Chamber Angle

Interleukin-10 and Intraocular–Central Nervous System Lymphoma

Changes in AC Angle Width and Depth after IOL Implantation in Eyes with Glaucoma

Simultaneous vs. Bilateral LASIK

Pyramidal Anterior Polar Cataracts

Management of Posterior Segment IOFBs

Guest Editorials 433

Removal of Periocular Veins by Sclerotherapy
Robert G. Fante, MD, Mitchel P. Goldman, MD

Are the Submacular Surgery Trials Still Relevant in an Era of Photodynamic Therapy? 435
Neil M. Bressler, MD, Barbara S. Hawkins, PhD, Paul Steinberg, Jr., MD, H. Richard McDonald, MD

Lower Eyelid CO_2 Laser Rejuvenation: A Randomized, Prospective Clinical Study 437
Susan R. Carter, MD, Stuart R. Seiff, MD, Phillip H. Choo, MD, Prashanth Vallabhanath, MD

Removal of Periocular Veins by Sclerotherapy 442
David Green, MD

Amniotic Membrane Transplantation after Extensive Removal of Primary and Recurrent Pterygia 449
Abraham Solomon, MD, Renato T. F. Pires, MD, Scheffer C. G. Tseng, MD, PhD

The Profile of Repeated Corneal Transplantation 461
Valery Bersudsky, MD, Tami Blum-Hareuveni, MD, Uri Rehany, MD, FACS, Shimon Rumelt, MD

Antibiotic Resistance Pattern and Visual Outcome in Experimentally-induced *Staphylococcus epidermidis* Endophthalmitis in a Rabbit Model 470
Herminia Miño de Kaspar, PhD, Angela S. Hoepfner, MD, Michael Engelbert, MD, Martin Thiel, MD, Christopher N. Ta, MD, Martina Mette, MD, Markus Schulze-Schwering, MD, Thomas Grasbon, MD, Begoña Sesma-Vea, PhD, Juan M. Casas, PhD, Rafael Iturralde-Goñi, MD, Volker Klauss, MD, Anselm Kampik, MD

Preschool Vision Screening: Summary of a Task Force Report 479
E. Eugenie Hartmann, PhD, Velma Dobson, PhD, Louise Hainline, PhD, Wendy Marsh-Tootle, OD, MS, Graham E. Quinn, MD, Mark S. Ruttum, MD, Paulette P. Schmidt, OD, MS, Kurt Simons, PhD, on behalf of the Maternal and Child Health Bureau and National Eye Institute Task Force on Vision Screening in the Preschool Child

Relationship of Dissociated Vertical Deviation and the Timing of Initial Surgery for Congenital Esotropia 487
Daniel E. Neely, MD, Eugene M. Helveston, MD, Daniel D. Thuente, MD, David A. Plager, MD

Micro Syndrome in Muslim Pakistan Children 491
John R. Ainsworth, FRCOphth, Jenny E. Morton, MRCP, Peter Good, PhD, C. Geoff Woods, FRCP, Nicolas D. L. George, FRCOphth, Julian P. Shield, FRCPCH, John Bradbury, FRCOphth, M. John Henderson, FRCR, Jas Chhina, FRCOphth

Lens Opacities and Mortality: The Barbados Eye Studies 498
Anselm Hennis, MRCP(UK), PhD, Suh-Yuh Wu, MA, Xiaowei Li, PhD, Barbara Nemesure, PhD, M. Cristina Leske, MD, MPH, The Barbados Eye Studies Group

Eradication of Posterior Capsule Opacification: Documentation of a Marked Decrease in Nd:YAG Laser Posterior Capsulotomy Rates Noted in an Analysis of 5416 Pseudophakic Human Eyes Obtained Postmortem 505
David J. Apple, MD, Qun Peng, MD, Nithi Visessook, MD, Liliana Werner, MD, PhD, Suresh K. Pandey, MD, Marcela Escobar-Gomez, MD, Jagat Ram, MD, Gerd U. Auffarth, MD

Synthesis of the Literature on the Effectiveness of Regional Anesthesia for Cataract Surgery 519
David S. Friedman, MD, MPH, Eric B. Bass, MD, MPH, Lisa H. Lubomski, PhD, Lee A. Fleisher, MD, John H. Kempen, MD, MPH, Jeffrey Magaziner, MD, Michael Sprintz, DO, Karen Robinson, MSc, Oliver D. Schein, MD, MPH

The Methodologic Quality of Clinical Trials on Regional Anesthesia for Cataract Surgery 530
David S. Friedman, MD, MPH, Eric B. Bass, MD, MPH, Lisa H. Lubomski, PhD, Lee A. Fleisher, MD, John H. Kempen, MD, MPH, Jeffrey Magaziner, MD, Michael Sprintz, DO, Karen Robinson, MSc, Oliver D. Schein, MD, MPH

Refractive Changes Caused by Hypoxia after Laser In Situ Keratomileusis Surgery 542
Mark L. Nelson, MD, Steven Brady, DO, Thomas H. Mader, MD, Lawrence J. White, MD, Vernon C. Parmley, MD, R. Kevin Winkle, MD

Phototherapeutic Keratectomy for Decentration and Central Islands after Photorefractive Keratectomy 545
Mariam D. Rachid, MD, Sonia H. Yoo, MD, Dimitri T. Azar, MD

Sclerokeratitis: An Unusual Presentation of Squamous Cell Carcinoma of the Conjunctiva 553
Muneera A. Mahmood, MD, FRCOphth, Ali Al-Rajhi, MD, FRCS, Fenwick Riley, MD, Zeynel A. Karcioglu, MD

Local Chemotherapy with Interferon-α for Conjunctival Mucosa-associated Lymphoid Tissue Lymphoma: A Preliminary Report 559
Maria Antonietta Blasi, MD, Filippo Gherlinzoni, MD, Giuseppe Calvisi, MD, Paola Sasso, MD, Monica Tani, MD, Mauro Cellini, MD, Emilio Balestrazzi, MD

Patterns of Adherence to Diabetes Vision Care Guidelines: Baseline Findings from the Diabetic Retinopathy Awareness Program 563
Elinor R. Schoenfeld, PhD, Judith M. Greene, MPH, Suh Yuh Wu, MA, M. Cristina Leske, MD, MPH

Stereo Nonmydriatic Digital-video Color Retinal Imaging Compared with Early Treatment Diabetic Retinopathy Study Seven Standard Field 35-mm Stereo Color Photos for Determining Level of Diabetic Retinopathy 572
Sven-Erik Bursell, PhD, Jerry D. Cavallerano, OD, PhD, Anthony A. Cavallerano, OD, Allen C. Clermont, MS, Deborah Birkmire-Peters, PhD, Lloyd Paul Aiello, MD, PhD, Lloyd M. Aiello, MD, and the Joslin Vision Network Research Team

Tear Function and Ocular Surface Changes in Noninsulin-dependent Diabetes Mellitus 586
Murat Dogru, MD, PhD, Chikako Katakami, MD, PhD, Masanori Inoue, MD, PhD

The Prevalence of Cupping in End-stage Arteritic and Nonarteritic Anterior Ischemic Optic Neuropathy 593
Helen V. Danesh-Meyer, FRACO, Peter J. Savino, MD, Robert C. Sergott, MD

Relationship between *Helicobacter pylori* Infection and Glaucoma 599
Jannis Kountouras, MD, PhD, Nikolaos Mylopoulos, MD, PhD, Panagiota Boura, MD, PhD, Christos Bessas, MD, PhD, Dimitrios Chatzopoulos, MD, John Venizelos, MD, PhD, Christos Zavos, MD

Otago Glaucoma Surgery Outcome Study: Long-term Results of Uveitis with Secondary Glaucoma Drained by Molteno Implants 605
Anthony C. B. Molteno, FRCS, FRACO, Niphon Sayawat, MD, Peter Herbison, MSc

Clinical Evaluation and Risk Factors of Time to Failure of Ahmed Glaucoma Valve Implant in Pediatric Patients 614
Mohammad Reza Djodeyre, MD, Jesus Peralta Calvo, MD, PhD, Jose Abelairas Gomez, MD, PhD

Intermediate-term Outcomes of 350-mm^2 Baerveldt Glaucoma Implants 621
Rohit Krishna, MD, David G. Godfrey, MD, Donald L. Budenz, MD, Erika Escalona-Camaanō, MD, Steven J. Gedde, MD, David S. Greenfield, MD, William Feuer, MS, Ingrid U. Scott, MD, MPH

Optic Nerve Head Circulation after Intraocular Pressure Reduction Achieved by Trabeculectomy 627
Yasuhiro Tamaki, MD, PhD, Makoto Araie, MD, PhD, Tomoyuki Hasegawa, MD, Miyuki Nagahara, MD, PhD

Contents

Volume 108, Number 4, April 2001

Letters to the Editor 633

Postoperative *Proprionibacterium acnes* Endophthalmitis

High-resistance Wind Instruments and IOP

Disinfection of Vacuum Control Manifold to Prevent Postoperative Endophthalmitis

Measurement of Blood-aqueous Barrier Breakdown

Micro-Reflex Test vs the Kleenex Test

Orbital Implants in Postenucleation Retinoblastoma

Agar Melting with Microwave

Guest Editorial: **The Choice of Glaucoma**
E. Michael Van Buskirk, MD

Quality of Life Associated with Unilateral and Bilateral Good Vision 643
Melissa M. Brown, MD, Gary C. Brown, MD, MSc (Epid), Sanjay Sharma, MD, Brandon Busbee, MD, Heidi Brown, BA
Discussion: *George R. Beauchamp, MD* 647

Laser Cataract Surgery: A Prospective Clinical Evaluation of 1000 Consecutive Laser Cataract Procedures Using the Dodick Photolysis Nd:YAG System 649
Anastasios John Kanellopoulos, MD, and the Photolysis Investigative Group
Discussion: *Richard J. Mackool, MD* 654

The Role of Matrix Metalloproteinases in Ulcerative Keratolysis Associated with Perioperative Diclofenac Use 656
Terrence P. O'Brien, MD, Qian J. Li, MD, Frederick Sauerburger, MD, Victor E. Reviglio, MD, Tayyib Rana, MD, M. Farooq Ashraf, MD

Laser In Situ Keratomileusis–induced Optic Neuropathy 660
Bruce D. Cameron, MD, Norman A. Saffra, MD, Mitchell B. Strominger, MD

Posterior Corneal Curvature Changes after Myopic Laser In Situ Keratomileusis 666
Berthold Seitz, MD, EBOD, Francia Torres, MD, Achim Langenbucher, PhD, Ashley Behrens, MD, Enrique Suárez, MD
Discussion: *Eric D. Donnenfeld, MD* 673

Understanding Refraction and Accommodation through 'Retinal Imaging' Aberrometry: A Case Report 674
Ronald R. Krueger, MD, MSE, Michael Mrochen, PhD, Maik Kaemmerer, PhD, Theo Seiler, MD, PhD

A Population-based Eye Survey of Older Adults in a Rural District of Rajasthan: I. Central Vision Impairment, Blindness, and Cataract Surgery 679
G. V. S. Murthy, MD, Sanjeev Gupta, MD, Leon B. Ellwein, PhD, Sergio R. Munoz, PhD, Damodar Bachani, MD, V. K. Dada, MD

A Population-based Eye Survey of Older Adults in a Rural District of Rajasthan: II. Outcomes of Cataract Surgery 686
G. V. S. Murthy, MD, Leon B. Ellwein, PhD, Sanjeev Gupta, MD, K. Tanikachalam, MD, Mantosh Ray, MD, V. K. Dada, MD

Etiology of Blindness in an Urban Community Hospital Setting 693
Rajendra S. Apte, MD, PhD, Tina A. Scheufele, MD, Preston H. Blomquist, MD, FACS

Risk Factors for Age-related Macular Degeneration: Pooled Findings from Three Continents 697
Wayne Smith, FAFPHM, PhD, Jacqueline Assink, MD, Ronald Klein, MD, MPH, Paul Mitchell, MD, PhD, Caroline C. W. Klaver, MD, Barbara E. K. Klein, MD, MPH, Albert Hofman, MD, PhD, Susan Jensen, MS, Jie Jin Wang, MMed, Paulus T. V. M. de Jong, MD, PhD

Age-related Macular Degeneration is Associated with Increased Vascular Endothelial Growth Factor, Hemorheology and Endothelial Dysfunction 705
Peck-Lin Lip, FRCS, Andrew D. Blann, PhD, MRCPath, Monique Hope-Ross, MRCPI, FRCS, Jonathan M. Gibson, MD, FRCS, Gregory Y. H. Lip, MD, FRCPE

Evaluation of Retinal Photoreceptors and Pigment Epithelium in a Female Carrier of Choroideremia 711
Nasreen Syed, MD, Julie E. Smith, BSc, Sinoj K. John, MD, Miguel C. Seabra, MD, PhD, Gustavo D. Aguirre, VMD, PhD, Ann H. Milam, PhD

Ophthalmologic Heterogeneity in Subjects with Gyrate Atrophy of Choroid and Retina Harboring the L402P Mutation of Ornithine Aminotransferase 721
Katja E. Peltola, MD, Kirsti Näntö-Salonen, MD, PhD, Olli J. Heinonen, MD, PhD, Satu Jääskeläinen, MD, PhD, Kaarlo Heinänen, MD, Olli Simell, MD, PhD, Eeva Nikoskelainen, MD, PhD

Macular Pigment Optical Density in a Midwestern Sample 730
Thomas A. Ciulla, MD, Joanne Curran-Celantano, PhD, Dale A. Cooper, PhD, Billy R. Hammond, Jr., PhD, Ronald P. Danis, MD, Linda M. Pratt, RN, BS, Karen A. Riccardi, RN, BS, Thomas G. Filloon, PhD

Redefining Papillorenal Syndrome: An Underdiagnosed Cause of Ocular and Renal Morbidity 738
Cameron F. Parsa, MD, Eduardo D. Silva, MD, Olof H. Sundin, PhD, Morton F. Goldberg, MD, M. Robert De Jong, RDMS, RVT, Janet S. Sunness, MD, Ran Zeimer, PhD, David G. Hunter, MD, PhD

Rifabutin-associated Hypopyon Uveitis in Human Immunodeficiency Virus–Negative Immunocompetent Individuals 750
Neelakshi Bhagat, MD, Russell W. Read, MD, Narsing A. Rao, MD, Ronald E. Smith, MD, Laurence P. Chong, MD

Rescue of Exposed Scleral Buckles with Cadaveric Pericardial Patch Grafts 753
David J. Weissgold, MD, Robert H. Millay, MD, Thomas A. Bochow, MD, MPH

Retinal Toxicity of Gentamicin after Subconjunctival Injection Performed Adjacent to Thinned Sclera 759
Anat Loewenstein, MD, Esther Zemel, DSc, Yafa Vered, PhD, Moshe Lazar, MD, Ido Perlman, PhD

Intravitreal Triamcinolone for Uveitic Cystoid Macular Edema: An Optical Coherence Tomography Study 765
Richard J. Antcliff, FRCOphth, David J. Spalton, FRCS, FRCP, Miles R. Stanford, MD, Elizabeth M. Graham, FRCP, FRCOphth, Timothy J. ffytche, FRCS, FRCOphth, John Marshall, PhD

Comparison of the Morphologic Changes after Selective Laser Trabeculoplasty and Argon Laser Trabeculoplasty in Human Eye Bank Eyes 773
Theresa R. Kramer, MD, Robert J. Noecker, MD

New Surgical Approach in the Management of Pseudophakic Malignant Glaucoma 780
Noemi Lois, MD, PhD, David Wong, FRCS, FRCOphth, Carl Groenewald, FCS

Vitreous Concentration of Topically Applied Brimonidine Tartrate 0.2% 784
Alexander R. Kent, MD, Jonathan D. Nussdorf, MD, Robert David, MD, Farrell Tyson, MD, David Small, PhD, Dan Fellows, BS

Bungee Cord–associated Ocular Trauma 788
Anthony J. Aldave, MD, Greg S. Gertner, MD, Garvin H. Davis, MD, Carl D. Regillo, MD, John B. Jeffers, MD

Partial Lacrimal Caruncle Excision: A Simple Procedure for Epiphora 793
Ilse Mombaerts, MD, PhD, Brigitte Colla, MD

Rhabdomyomatous Mesenchymal Hamartoma of the Eyelid: Report of a Case and Literature Review 798
Russell W. Read, MD, Michael Burnstine, MD, Jon M. Rowland, MD, PhD, Ehud Zamir, MD, Narsing A. Rao, MD

Common Forms of Childhood Esotropia 805
Brian G. Mohney, MD

Alteration of the Ocular Surface with Recurrence of Granular/Avellino Corneal Dystrophy after Phototherapeutic Keratectomy: Report of Five Cases and Literature Review 810
Murat Dogru, MD, PhD, Chikako Katakami, MD, PhD, Teruo Nishida, MD, PhD, Akio Yamanaka, MD, PhD

Histologic Phenotype-Genotype Correlation of Corneal Dystrophies Associated with Eight Distinct Mutations in the *TGFBI* Gene 818
Paul Dighiero, MD, Florence Niel, MD, Pierre Ellies, MD, François D'Hermies, MD, Michèle Savoldelli, Eng, Gilles Renard, MD, Marc Delpech, MD, PhD, Sophie Valleix, MD, PhD

Incidence of Keratoconus in Subjects with Vernal Keratoconjunctivitis: A Videokeratographic Study 824
Yüksel Totan, MD, Ibrahim Feyzi Hepşen, MD, Osman Çekiç, MD, Abuzer Gündüz, MD, Erdinç Aydin, MD

Contents

Volume 108, Number 5, May 2001

Letters to the Editor 829

Uveal Melanoma: Implications of Tumor Doubling Time

Acromegaly and Junctional Visual Field Loss

Intracameral Lidocaine for Phacoemulsification

Acute Comitant Esotropia in Chiari 1 Malformation

Corneal Ectasia after Refractive Surgery

Trabeculectomy with Mitomycin-C in Pediatric Glaucomas

Inhaled Corticosteroids and Glaucoma

***Acanthoamoeba* Attachment to Contact Lenses**

Guest Editorial: **Retina and Vitreous Pathology after Laser-assisted In Situ Keratomileusis: Is There a Cause-effect Relationship?** 839
J. Fernando Arevalo, MD, William R. Freeman, MD, Laura Gomez, MD

Photodynamic Therapy of Subfoveal Choroidal Neovascularization in Pathologic Myopia with Verteporfin: 1-Year Results of a Randomized Clinical Trial—VIP Report No. 1 841
Verteporfin in Photodynamic Therapy (VIP) Study Group

Traumatic Macular Hole: Observations, Pathogenesis, and Results of Vitrectomy Surgery 853
Robert N. Johnson, MD, H. Richard McDonald, MD, Hilel Lewis, MD, M. Gilbert Grand, MD, Timothy G. Murray, MD, William F. Mieler, MD, Mark W. Johnson, MD, H. Culver Boldt, MD, Karl R. Olsen, MD, Paul E. Tornambe, MD, James C. Folk, MD

Interferon-induced Retinopathy in Asymptomatic Cancer Patients 858
Bita Esmaeli, MD, Charles Koller, MD, Nicholas Papadopoulos, MD, Jorge Romaguera, MD

Acute Multifocal Placoid Pigment Epitheliopathy and Central Nervous System Involvement: Nine New Cases and a Review of the Literature 861
Henry S. O'Halloran, FRCSI, Joseph R. Berger, MD, William B. Lee, MD, Dennis M. Robertson, MD, Joseph A. Giovannini, MD, Gregory B. Krohel, MD, Roy J. Meckler, MD, John B. Selhorst, MD, Andrew G. Lee, MD, David A. Nicolle, MD, Justin O'Day, MD

Herpes Simplex Virus Type 2 as a Cause of Acute Retinal Necrosis Syndrome in Young Patients 869
Russell N. Van Gelder, MD, PhD, Jeffrey L. Willig, MD, Gary N. Holland, MD, Henry J. Kaplan, MD

Subjective Visual Halos after Sildenafil (Viagra) Administration: Electroretinographic Evaluation 877
Corrado Balacco Gabrieli, MD, Federico Regine, MD, Enzo M. Vingolo, MD, Eduardo Rispoli, ME, Andrea Fabbri, MD, Aldo Isidori, MD

Estimated Incidence of Open-angle Glaucoma in Olmsted County, Minnesota 882
Erik O. Schoff, MD, Matthew G. Hattenhauer, MD, Helen H. Ing, BSN, David O. Hodge, MS, Robert H. Kennedy, MD, PhD, David C. Herman, MD, Douglas H. Johnson, MD

Quality of Life in Newly Diagnosed Glaucoma Patients: The Collaborative Initial Glaucoma Treatment Study 887
Nancy K. Janz, PhD, Patricia A. Wren, PhD, MPH, Paul R. Lichter, MD, David C. Musch, PhD, MPH, Brenda W. Gillespie, PhD, Kenneth E. Guire, MS, The CIGTS Study Group
Discussion: *Carl V. Migliazzo, MD* 898

The Sensitivity and Specificity of Scanning Laser Polarimetry in the Detection of Glaucoma in a Clinical Setting 899
Neil T. Choplin, MD, Diane C. Lundy, MD

Correlation between Optical Coherence Tomography, Pattern Electroretinogram, and Visual Evoked Potentials in Open-angle Glaucoma Patients 905
Vincenzo Parisi, MD, Gianluca Manni, MD, Marco Centofanti, MD, Stefano A. Gandolfi, MD, Diego Olzi, MD, Massimo G. Bucci, MD

Is Posner Schlossman Syndrome Benign? 913
Aliza Jap, FRCS (G), Meenakshi Sivakumar, FRCS (Ed), M Med (Ophth), Soon-Phaik Chee, FRCS (Ed), FRCOphth

Transscleral Suture Fixation of Posterior Chamber Lenses Combined with Trabeculectomy 919
Dong H. Shin, MD, PhD, Catherine M. Birt, MD, FRCSC, John M. O'Grady, MD, Chaesik Kim, BSEE, Mark S. Juzych, MD, Lance C. Lemon, MD, Stephen Y. Reed, MD, Babak Eliassi-Rad, MD

The Early Complications of Cataract Surgery: Is Routine Review of Patients 1 Week after Cataract Extraction Necessary? 930
Malcolm John McKellar, BOptom, FRACO, Mark John Elder, MD, FRACO

Keratitis, Ulceration, and Perforation Associated with Topical Nonsteroidal Anti-inflammatory Drugs 936
Ann C. Guidera, MD, Jodi I. Luchs, MD, Ira J. Udell, MD

Adjustable Refractive Surgery: 6-mm Artisan Lens Plus Laser In Situ Keratomileusis for the Correction of High Myopia 945
José L. Güell, MD, Mercedes Vázquez, MD, O. Gris, MD

Late Natural History of Corneal Topography after Excimer Laser Photorefractive Keratectomy 953
Ume Lubna Abbas, MD, Peter S. Hersh, MD, Summit PRK Study Group

Cause-specific Prevalence of Bilateral Visual Impairment in Victoria, Australia: The Visual Impairment Project 960
Mylan R. VanNewkirk, MD, FRACO, LeAnn Weih, PhD, MS, Catherine A. McCarty, PhD, MPH, Hugh R. Taylor, MD, FRACO

Sensitivity and Specificity of Tests to Detect Eye Disease in an Older Population 968
Rebecca Q. Ivers, B Optom, MPH, Petra Macaskill, BA, M App Stat, Robert G. Cumming, MB BS, PhD, Paul Mitchell, MD, PhD

Microsporidial Keratoconjunctivitis in a Healthy Contact Lens Wearer without Human Immunodeficiency Virus Infection 976
Julian Theng, FRCOphth, Cordelia Chan, FRCS(Ed), Moi Lin Ling, FRCPA, Donald Tan, FRCOphth

Conjunctival Lymphoid Tumors: Clinical Analysis of 117 Cases and Relationship to Systemic Lymphoma 979
Carol L. Shields, MD, Jerry A. Shields, MD, Cynthia Carvalho, MD, Paul Rundle, MD, Andrew F. Smith, PhD

Proliferative Activity and p53 Expression in Primary and Recurrent Pterygia 985
Itay Chowers, MD, Jacob Pe'er, MD, Ehud Zamir, MD, Nelly Livni, PhD, Michael Ilsar, MD, Joseph Frucht-Pery, MD

Primary and Secondary Transconjunctival Involutional Entropion Repair 989
Todd Cook, MD, Mark J. Lucarelli, MD, Bradley N. Lemke, MD, Richard K. Dortzbach, MD

Canalicular Stenosis Secondary to Docetaxel (Taxotere): A Newly Recognized Side Effect 994
Bita Esmaeli, MD, Vicente Valero, MD, M. Amir Ahmadi, MD, Daniel Booser, MD

Microcirculation Patterns Other than Loops and Networks in Choroidal and Ciliary Body Melanomas 996
Robert Folberg, MD, Xue Chen, MD, H. Culver Boldt, MD, Jacob Pe'er, MD, C. Kice Brown, MS, Robert F. Woolson, PhD, Andrew J. Maniotis, PhD

Contents

Volume 108, Number 6, June 2001

Letters to the Editor 1003
- **Retained Visual Sensation during Cataract Surgery**
- **Sub-Tenon's Injection for Posterior Segment Surgery**
- **Trabeculectomy for Acute Primary Angle Closure**
- **Airbag-related Injuries in Children: A MEDLINE Search Tip**
- **Polypoidal Choroidal Vasculopathy and Central Serous Chorioretinopathy**
- **Lamellar Keratoplasty in Keratoconus**
- **Sterilization by Plasma Gas**
- **Thermotherapy of Occult Subfoveal Choroidal Neovascularization**
- **Allvar Gullstrand**

Errata 1012

Guest Editorial: **The Multicenter Study of Early Treatment for Retinopathy of Prematurity (ETROP)** 1013
William Good, MD, Robert J. Hardy, PhD, for the ETROP Multicenter Study Group

Patterns of Open-angle Glaucoma in the Barbados Family Study 1015
M. Cristina Leske, MD, MPH, Barbara Nemesure, PhD, Qimei He, PhD, Suh-Yuh Wu, MA, James Fielding Hejtmancik, MD, PhD, Anselm Hennis, MRCP(UK), PhD, for the Barbados Family Study Group

Comparison of Once- or Twice-daily Bimatoprost with Twice-daily Timolol in Patients with Elevated Intraocular Pressure: A 3-Month Clinical Trial 1023
James D. Brandt, MD, Amanda M. VanDenburgh, PhD, Kuankuan Chen, MS, Scott M. Whitcup, MD, for the Bimatoprost Study Group 1

Discussion: *Allan E. Kolker, MD* 1032

Brimonidine 0.2% versus Apraclonidine 0.5% for Prevention of Intraocular Pressure Elevations after Anterior Segment Laser Surgery 1033
Teresa C. Chen, MD, Robert T. Ang, MD, Cynthia L. Grosskreutz, MD, PhD, Louis R. Pasquale, MD, Joseph T. Fan, MD

Intraoperative Mitomycin-C without Conjunctival and Tenon's Capsule Touch in Primary Trabeculectomy 1039
Remo Susanna Jr., MD, Vital Paulino Costa, MD, Roberto F. S. Malta, MD, Wilma L. Barboza, MD, José P. C. Vasconcellos, MD

Ocular Hemodynamics in Pseudoexfoliation Syndrome and Pseudoexfoliation Glaucoma 1043
Nurşen Yüksel, MD, V. Levent Karabaş, MD, Arzu Arslan, MD, Ali Demirci, MD, Yusuf Çağlar, MD

Pars Plana Tube Insertion of Glaucoma Drainage Implants and Penetrating Keratoplasty in Patients with Coexisting Glaucoma and Corneal Disease 1050
Paul A. Sidoti, MD, Aimi Y. Mosny, MD, David C. Ritterband, MD, John A. Seedor, MD

Central Retinal Vessel Trunk Exit and Location of Glaucomatous Parapapillary Atrophy in Glaucoma 1059
Jost B. Jonas, MD, Wido M. Budde, MD, János Németh, MD, Anselm E. Gründler, MD, Andrea Mistlberger, MD, Jochen K. Hayler, MD

Stability of Corneal Polarization Axis Measurements for Scanning Laser Polarimetry 1065
David S. Greenfield, MD, Robert W. Knighton, PhD

Stress Wave Amplitudes during Laser Surgery of the Cornea 1070
Ronald R. Krueger, MD, Theo Seiler, MD, PhD, Torsten Gruchman, Dipl Ing (FH), Michael Mrochen, PhD, Michael S. Berlin, MD

Diffuse Lamellar Keratitis after Laser In Situ Keratomileusis Imaged by Confocal Microscopy 1075
Jens Bühren, MD, Martin Baumeister, MD, Thomas Kohnen, MD

Laser In Situ Keratomileusis-induced (Presumed) Neurotrophic Epitheliopathy 1082
Steven E. Wilson, MD

Demonstration of Biofilm in Infectious Crystalline Keratopathy Using Ruthenium Red and Electron Microscopy 1088
Tim P. Fulcher, FRCOphth, John K. G. Dart, DM, FRCOphth, Louise McLaughlin-Borlace, MSc, Robin Howes, Melville Matheson, BSc, Ian Cree, MB, FRCPath

Treatment of Conjunctival and Corneal Intraepithelial Neoplasia with Topical Interferon α-2b 1093
Carol L. Karp, MD, Jeffrey K. Moore, MD, Robert H. Rosa, Jr., MD

Primary Cataract Extraction and Intraocular Lens Implantation in Penetrating Ocular Trauma 1099
Joseph Moisseiev, MD, Fani Segev, MD, Noga Harizman, MD, Tal Arazi, MD, Ygal Rotenstreich, MD, Ehud I. Assia, MD

Visual Outcome in Patients with Isolated Autosomal Dominant Congenital Cataract 1104
Peter J. Francis, BSc, FRCOphth, Alex Ionides, MD, FRCOphth, Vanita Berry, PhD, Shomi Bhattacharya, PhD, Anthony T. Moore, FRCS, FRCOphth

Second Primary Tumors in Hereditary Retinoblastoma: A Register-based Study, 1945–1997: Is There an Age Effect on Radiation-related Risk? 1109
Annette C. Moll, MD, PhD, Saskia M. Imhof, MD, PhD, Antoinette Y. N. Schouten-Van Meeteren, MD, Dirk J. Kuik, Pieter Hofman, MD, PhD, Maarten Boers, MD, PhD

Basal Cell Carcinoma of the Eyelid Associated with Gorlin-Goltz Syndrome 1115
Santosh G. Honavar, MD, Jerry A. Shields, MD, Carol L. Shields, MD, Ralph C. Eagle, Jr., MD, Hakan Demirci, MD, Edna Z. Mahmood, MD

Sebaceous Carcinoma of the Eyelid Associated with Retinoblastoma 1124
Tero Kivelä, MD, Sirpa Asko-Seljavaara, MD, Ulla Pihkala, MD, Liisa Hovi, MD, Jorma Heikkonen, PhD

Orbital Inflammatory Pseudotumor and Ischemic Vasculitis in Churg-Strauss Syndrome: Report of Two Cases and Review of the Literature 1129
Taiji Takanashi, MD, Sunao Uchida, MD, Machiko Arita, MD, Morio Okada, MD, Satoshi Kashii, MD

Methotrexate Therapy for Chronic Noninfectious Uveitis: Analysis of a Case Series of 160 Patients 1134
C. Michael Samson, MD, Nadia Waheed, MD, Stefanos Baltatzis, MD, C. Stephen Foster, MD

Pars Plana Vitrectomy for Cystoid Macular Edema Secondary to Sarcoid Uveitis 1140
Junichi Kiryu, MD, Mihori Kita, MD, Teruyo Tanabe, MD, Kenji Yamashiro, MD, Noriko Miyamoto, MD, Yoshiaki Ieki, MD

The Epidemiology of Giant Cell Arteritis: A 12-Year Retrospective Study 1145
Norman H. Liu, MD, Laurie D. LaBree, MS, Steven E. Feldon, MD, Narsing A. Rao, MD

Long-term Follow-up of Unoperated Macular Holes 1150
Lourdes A. Casuso, MD, Ingrid U. Scott, MD, MPH, Harry W. Flynn, Jr., MD, J. Donald M. Gass, MD, William E. Smiddy, MD, Mary Lou Lewis, MD, Joyce Schiffman, MS

Exudative Retinal Detachment in Relapsing Polychondritis: Case Report and Literature Review 1156
Neelakshi Bhagat, MD, Ronald L. Green, MD, Steven E. Feldon, MD, Jennifer I. Lim, MD

The Performance of the Refractive Status and Vision Profile Survey in a Contact Lens Trial 1160
Jason J. Nichols, OD, MS, G. Lynn Mitchell, MAS, Karla Zadnik, OD, PhD

Contents

Volume 108, Number 7, July 2001

Letters to the Editor 1167

Low Thiamine Intake and Risk of Cataract

Nonsurgical Management of Subperiosteal Abscess of the Orbit

Ocular Injuries Caused by Intraocular or Retrobulbar Foreign Bodies

Optic Neuropathy in Lhon and Leigh Syndrome

Open-angle Glaucoma in Southern India

Ultrasound Biomicroscopy of Sclerotomy Sites

Guest Editorial: **Shaken Not Stirred** 1177
Jerry Sebag, MD, FACS

Adjuvant 5-fluorouracil and Heparin Prevents Proliferative Vitreoretinopathy: Results from a Randomized, Double-blind, Controlled Clinical Trial 1179
Riaz Hassan Asaria, FRCOphth, Chee Hing Kon, MD, FRCOphth, Catey Bunce, MSc, David G. Charteris, MD, FRCOphth, David Wong, MD, FRCOphth, Peng Tee Khaw, PhD, FRCOphth, George William Aylward, MD, FRCOphth

How to Predict Proliferative Vitreoretinopathy: A Prospective Study 1184
Riaz Hassan Yusuf Asaria, FRCOphth, Chee Hing Kon, MD, FRCOphth, Catey Bunce, MSc, David G. Charteris, MD, FRCOphth, David Wong, MD, FRCOphth, Philip J. Luthert, FRCPath, FRCP, Peng Tee Khaw, PhD, FRCOphth, George William Aylward, MD, FRCOphth

Indocyanine Green-assisted Peeling of the Retinal Internal Limiting Membrane during Vitrectomy Surgery for Macular Hole Repair 1187
Andrea P. Da Mata, MD, Scott E. Burk, MD, PhD, Christopher D. Riemann, MD, Robert H. Rosa, Jr., MD, Michael E. Snyder, MD, Michael R. Petersen, MD, PhD, Robert E. Foster, MD

Temperature Effect on Nausea during Fluorescein Angiography 1193
Levonne R. Lee, MD, Dean P. Hainsworth, MD, Charles W. Hamm, CRA, Richard W. Madsen, PhD

Delays in Rod-mediated Dark Adaptation in Early Age-related Maculopathy 1196
Cynthia Owsley, PhD, MSPH, Gregory R. Jackson, PhD, Milton White, MD, Richard Feist, MD, David Edwards, BA

Induced Corneal Astigmatism after Macular Translocation Surgery with Scleral Infolding 1203
Terry Kim, MD, Senthil Krishnasamy, MD, Carsten H. Meyer, MD, Cynthia A. Toth, MD

Amniotic Membrane Transplantation in Entropion Surgery 1209
Seng-Ei Ti, FRCSE, Sharon L. C. Tow, FRCSE, Soon-Phaik Chee, FRCSG, FRCOphth

Amniotic Membrane Transplantation in the Management of Shield Ulcers of Vernal Keratoconjunctivitis 1218
M. S. Sridhar, MD, Virender S. Sangwan, MS, Aashish K. Bansal, MS, Gullapalli N. Rao, MD

An Outbreak of Trematode-induced Granulomas of the Conjunctiva 1223
Sivakumar Rathinam, MD, Thomas R. Fritsche, MD, PhD, M. Srinivasan, MD, P. Vijayalakshmi, MD, Russell W. Read, MD, Romesh Gautom, PhD, P. Namperumalsamy, MD, Narsing A. Rao, MD

Effects of Laser In Situ Keratomileusis on Tear Production, Clearance, and the Ocular Surface 1230
Lisa Battat, MD, Angelo Macri, MD, Dilek Dursun, MD, Stephen C. Pflugfelder, MD

A Prospective, Randomized Comparison of the Use Versus Non-use of Topical Corticosteroids after Laser In Situ Keratomileusis 1236
Francis W. Price Jr., MD, Leslee Willes, MS, Marianne Price, BS, MBA, Angi Lyng, Judy Ries

Discussion: *Joseph L. Güell, MD, PhD, Mercedes Vazquez, MD* 1244

Correction of Irregular Astigmatism with Excimer Laser Assisted by Sodium Hyaluronate 1246
Jorge L. Alió, MD, PhD, José I. Belda, MD, PhD, Ahmad M. M. Shalaby, MD

Effect of Varying the Optical Zone Diameter on the Results of Hyperopic Laser In Situ Keratomileusis 1261
Jonathan M. Davidorf, MD, Farid Eghbali, OD, FAAO, Tania Onclinx, MD, Robert K. Maloney, MD

Infectious Keratitis after Laser Refractive Surgery 1266
Gregory A. Kouyoumdjian, MD, S. Lance Forstot, MD, Vikram D. Durairaj, MD, Richard E. Damiano, MD

Factors that Influence the Surgical Effects of Astigmatic Keratotomy after Cataract Surgery 1269
Tomoyuki Inoue, MD, Naoyuki Maeda, MD, Kaoru Sasaki, MD, Hitoshi Watanabe, MD, Yoshitsugu Inoue, MD, Koji Nishida, MD, Yumiko Inoue, MD, Shuji Yamamoto, MD, Yoshikazu Shimomura, MD, Yasuo Tano, MD

Incidence of Nonarteritic Anterior Ischemic Optic Neuropathy Associated with Cataract Extraction 1275
Timothy J. McCulley, MD, Byron L. Lam, MD, William J. Feuer, MS

Effects of Rigid and Soft Contact Lens Daily Wear on Corneal Epithelium, Tear Lactate Dehydrogenase, and Bacterial Binding to Exfoliated Epithelial Cells 1279
Patrick M. Ladage, BOpt, Kazuaki Yamamoto, MS, David H. Ren, MD, PhD, Ling Li, MD, James V. Jester, PhD, W. Matthew Petroll, PhD, H. Dwight Cavanagh, MD, PhD

Secondary Ocular Involvement in Systemic "Memory" B-cell Lymphocytic Leukemia 1289
Sarah E. Coupland, MBBS, PhD, Hans-Dieter Foss, MD, Nicholaos E. Bechrakis, MD, Michael Hummel, PhD, Harald Stein, MD

Surgical Excision of Iris Nodules in the Management of Sarcoid Uveitis 1296
Vicente Victor D. Ocampo, Jr., MD, C. Stephen Foster, MD, FACS, Stefanos Baltatzis, MD

Photographic and Clinical Techniques for Outcome Assessment in Sixth Nerve Palsy 1300
Jonathan M. Holmes, BM, BCh, George G. Hohberger, MD, David A. Leske, BS

Lacrimal Sac Dacryoliths: Predictive Factors and Clinical Characteristics 1308
Bulent Yazici, MD, Amjad M. Hammad, MD, Dale R. Meyer, MD
Discussion: *John V. Linberg, MD* 1312

Congenital Fibrosis of the Extraocular Muscles Associated with Cortical Dysplasia and Maldevelopment of the Basal Ganglia 1313
Maree P. Flaherty, FRACO, FRACS, Padraic Grattan-Smith, MRCP (UK), FRACP, Adam Steinberg, MB Bch, FRANZCR, Robyn Jamieson, FRACP, PhD, Elizabeth C. Engle, MD

Late Endophthalmitis Associated with Glaucoma Drainage Implants 1323
Steven J. Gedde, MD, Ingrid U. Scott, MD, MPH, Homayoun Tabandeh, MD, Kevin K. M. Luu, MD, Donald L. Budenz, MD, David S. Greenfield, MD, Harry W. Flynn, Jr., MD

Ophthalmic Technology Assessment

Surgical Management of Macular Holes: A Report by the American Academy of Ophthalmology 1328
William E. Benson, MD, Karen C. Cruickshanks, PhD, Donald S. Fong, MD, MPH, George A. Williams, MD, Michael A. Bloome, MD, Donald Allen Frambach, MD, Allan E. Kreiger, MD, Robert P. Murphy, MD

Instructions for Authors 1336

Appendix: Study Design Scheme, Structured Abstract Sections and Study Design Worksheets 1341

Contents

Volume 108, Number 8, August 2001

Letters to the Editor 1363

Hyperhomocystinemia

Local Heat versus Ice on Blepharoptosis

If IOP Measurement is Only an Estimate, Then What?

IOP in Chinese Eyes

Target Pressure

Systemic β-Blocker Therapy and Brimonidine and Timolol

Superior Rectus-Levator Synkinesis

Polyurethane Stent in Nasolacrimal Duct Obstruction

Mechanism of Accommodation in Primates

Subretinal Fibrosis in Vogt-Koyanagi-Harada Syndrome

Erratum 1371

Commentary: **Words of Wisdom for the New Ophthalmology Resident** 1372
David A. Quillen, MD

Guest Editorial: **Multifocal Intraocular Lenses in Children** 1373
David G. Hunter, MD, PhD

Multifocal Intraocular Lens Implantation in Pediatric Cataract Surgery 1375
Philipp C. Jacobi, MD, Thomas S. Dietlein, MD, Walter Konen, MD

The Berkeley Contact Lens Extended Wear Study. Part I: Study Design and Conduct 1381
Robert E. Fusaro, PhD, JD, Kenneth A. Polse, OD, MS, Andrew D. Graham, MS, Cheslyn M. Gan, OD, Reuben K. Rivera, OD, MS, Meng C. Lin, OD, Timothy L. Sanders, OD, Nancy A. McNamara, OD, PhD, Judy S. Chan, OD, MS

The Berkeley Contact Lens Extended Wear Study. Part II: Clinical Results 1389
Kenneth A. Polse, OD, MS, Andrew D. Graham, MS, Robert E. Fusaro, PhD, JD, Cheslyn M. Gan, OD, Reuben K. Rivera, OD, MS, Meng C. Lin, OD, Timothy L. Sanders, OD, Nancy A. McNamara, OD, PhD, Judy S. Chan, OD, MS

Risk Factors Associated with Age-Related Nuclear and Cortical Cataract: A Case-control Study in the Age-Related Eye Disease Study, AREDS Report No. 5 1400
Age-Related Eye Disease Study Research Group

INTACS Inserts for Treating Keratoconus: One-year Results 1409
Joseph Colin, MD, Béatrice Cochener, MD, Gwenaelle Savary, Orthoptist, Florence Malet, MD, Debby Holmes-Higgin, MS, MPH

Posterior Corneal Surface Changes after Refractive Surgery 1415
Everardo Hernández-Quintela, MD, Sopit Samapunphong, MD, Bilal F. Khan, MD, Beatriz Gonzalez, MD, Paul Chung-Shien Lu, MD, Samir G. Farah, MD, Dimitri T. Azar, MD

Laser In Situ Keratomileusis Enhancement after Photorefractive Keratectomy 1423
Carlos Lazaro, MD, Alfredo Castillo, MD, Jose L. Hernandez-Matamoros, MD, Maria T. Iradier, MD, Julian Garcia-Feijoo, MD, Jose M. Benitez-del-Castillo, MD, Jose Perea, MD, Julian Garcia-Sanchez, MD

Discussion: *Sanjay N. Rao, MD, Parag A. Majmudar, MD* 1429

Monovision Outcomes in Presbyopic Individuals after Refractive Surgery 1430
Sandeep Jain, MD, Richard Ou, MD, Dimitri T. Azar, MD

The Adverse Effect of Perioperative Brimonidine Tartrate 0.2% on Flap Adherence and Enhancement Rates in Laser In Situ Keratomileusis Patients 1434
Keith A. Walter, MD, David D. Gilbert, MS

Intraocular Pressure over 24 Hours after Repeated Administration of Latanoprost 0.005% or Timolol Gel-forming Solution 0.5% in Patients with Ocular Hypertension 1439
Lill-Inger Larsson, MD, PhD

Color Doppler Imaging Study of Retrobulbar Hemodynamics in Chronic Angle-closure Glaucoma 1445
Ching-Yu Cheng, MD, MPH, Catherine J. Liu, MD, Hong-Jen Chiou, MD, Joe C. Chou, MD, Wen-Ming Hsu, MD, Jorn-Hon Liu, MD

Two Unusual Osteogenic Orbital Tumors: Presumed Parosteal Osteosarcomas of the Orbit 1452
Dipak N. Parmar, BSc(Hons), FRCOphth, Philip J. Luthert, MRCP, FRCPath, Ian A. Cree, PhD, FRCPath, Robin P. Reid, FRCPath, Geoffrey E. Rose, MRCP, FRCOphth

Predictors of Nonrecovery in Acute Traumatic Sixth Nerve Palsy and Paresis 1457
Jonathan M. Holmes, BM, BCh, Roy W. Beck, MD, PhD, Kevin E. Kip, PhD, Patrick J. Droste, MD, David A. Leske, BS, Pediatric Eye Disease Investigator Group

Role of Transesophageal Echocardiography in the Evaluation of Patients with Retinal Artery Occlusion 1461
Michal Kramer, MD, Nitza Goldenberg-Cohen, MD, Yaron Shapira, MD, Ruth Axer-Siegel, MD, Haim Shmuely, MD, Yehuda Adler, MD, Dov Weinberger, MD, Alex Sagie, MD

Cornea Sparing by Endoscopically Guided Vitreoretinal Surgery 1465
Joshua Ben-nun, MD

Internal Limiting Membrane Peeling in Macular Hole Surgery 1471
William E. Smiddy, MD, William Feuer, MS, Ghassan Cordahi, MD
Discussion: *H. Richard McDonald, MD* 1477

Null Mutation in the Human 11-*cis* Retinol Dehydrogenase Gene Associated with Fundus Albipunctatus 1479
Carola A.G.G. Driessen, PhD, Bert P.M. Janssen, MS, Huub J. Winkens, MS, Leonoor D. Kuhlmann, MS, Anke H.M. Van Vugt, MS, Alfred J.L.G. Pinckers, MD, August F. Deutman, MD, Jacques J.M. Janssen, PhD

Intravitreous Injection of Tissue Plasminogen Activator and Gas in the Treatment of Submacular Hemorrhage under Various Conditions 1485
Lars-Olof Hattenbach, MD, Christina Klais, MD, Frank H. J. Koch, MD, Hermann O. C. Gümbel, MD

Vigabatrin Effect on Inner Retinal Function 1493
Stuart G. Coupland, PhD, David H. Zackon, MD, FRCSC, Brian C. Leonard, MD, FRCSC, Trena M. Ross, BSc, COMT
Discussion: *Sandeep Grover, MD* 1497

Subclinical Retinal Detachment Resulting from Asymptomatic Retinal Breaks: Prognosis for Progression and Regression 1499
Norman E. Byer, MD
Discussion: *John T. Thompson, MD* 1503

Ophthalmology Inpatient Consultation 1505
Kristin Carter, MD, Kevin M. Miller, MD

Contents

Volume 108, Number 9, September 2001

Letters to the Editor 1513

Vitrectomy and Membrane Dissection Surgery

Egna-Neumarkt Glaucoma Study

Periorbital and Orbital Cellulitis after *H. influenza B* Vaccination

ACE and Angiotensin II and Nonarteritic Anterior Ischemic Optic Neuropathy

Active Ocular Syphilis

Silicone Oil Tamponade to Seal Macular Holes

Induced Myopia Associated with Capsular Bag Distension Syndrome

Lymphoma Mimicking Scleritis

***Staphylococcus Epidermidis* and Intraocular Lenses**

Corneal Complications and NSAIDS

Guest Editorial 1521
Radiation Therapy for Graves' Ophthalmopathy: Trick or Treat?
Steven E. Feldon, MD

A Prospective, Randomized, Double-blind, Placebo-controlled Study of Orbital Radiotherapy for Graves' Ophthalmopathy 1523
Colum A. Gorman, MB, PhD, James A. Garrity, MD, Vahab Fatourechi, MD, Rebecca S. Bahn, MD, Ivy A. Petersen, MD, Scott L. Stafford, MD, John D. Earle, MD, Glenn S. Forbes, MD, Robert W. Kline, PhD, Erik J. Bergstralh, MSc, Kenneth P. Offord, MS, Diana M. Rademacher, BS, Nancy M. Stanley, BS, George B. Bartley, MD

Australasian Orbital and Adnexal Wegener's Granulomatosis 1535
Thomas L. Woo, MBBS, MPH, Ian C. Francis, FRACS, FASOPRS, Geoffrey A. Wilcsek, FRANZCO, Minas T. Coroneo, FRACS, MD, Alan A. McNab, FRANZCO, FRCOphth, Timothy J. Sullivan, FRANZCO, FRCOphth, for The Australasian Orbital and Adnexal Wegener's Study Group

Presbyopia, Accommodation, and the Mature Catenary 1544
D. Jackson Coleman, MD, Susan K. Fish, MD, MS

Long-term Follow-up of Occlusion Therapy in Amblyopia 1552
Hana Leiba, MD, Michael Shimshoni, PhD, Moshe Oliver, MD, Nava Gottesman, CO, Shmuel Levartovsky, MD

Excessive Blinking in Childhood: A Prospective Evaluation of 99 Children 1556
David K. Coats, MD, Evelyn A. Paysse, MD, Dong-Seob Kim, MD

Pediatric Dacryocystorhinostomy for Nasolacrimal Duct Obstruction 1562
Eric A. Barnes, FRCOphth, Yassir Abou-Rayyah, PhD, FRCS, Geoffrey E. Rose, MS, FRCS

Treatment of Ocular Cicatricial Pemphigoid with Sulfasalazine 1565
Serge Doan, MD, Jean-Francois Lerouic, MD, Hervé Robin, MD, Catherine Prost, MD, Michelle Savoldelli, Eng, Thanh Hoang-Xuan, MD

Cultivated Corneal Epithelial Stem Cell Transplantation in Ocular Surface Disorders 1569
Noriko Koizumi, MD, PhD, Tsutomu Inatomi, MD, PhD, Tomo Suzuki, MD, PhD, Chie Sotozono, MD, PhD, Shigeru Kinoshita, MD, PhD

Management and Prognosis of Merkel Cell Carcinoma of the Eyelid 1575
George B. Peters III, MD, Dale R. Meyer, MD, Jerry A. Shields, MD, Philip L. Custer, MD, Peter A. Rubin, MD, Ted H. Wojno, MD, Thomas A. Bersani, MD, Myron Tanenbaum, MD

Ocular Manifestations of Tuberculosis 1580
Shwu-Jiuan Sheu, MD, Jeng-Shyong Shyu, MD, Li-Mei Chen, MD, Ying-Ying Chen, MD, Shyh-Chiarng Chirn, MD, Jyh-Seng Wang, MD

Optic Disc Morphology after Arteritic Anterior Ischemic Optic Neuropathy 1586
Sohan Singh Hayreh, MD, PhD, Jost B. Jonas, MD

Disc Excavation in Dominant Optic Atrophy: Differentiation from Normal Tension Glaucoma 1595
Annick V. Fournier, MD, FRCS(C), Karim F. Damji, MD, FRCS(C), David L. Epstein, MD, Stephen C. Pollock, MD

Angle-closure Glaucoma in Association with Orbital Pseudotumor 1603
Carlo R. Bernardino, MD, Richard S. Davidson, MD, Marlon Maus, MD, George L. Spaeth, MD

Evidence for Genetic Heterogeneity within Eight Glaucoma Families, with the *GLC1A* Gln368STOP Mutation Being an Important Phenotypic Modifier 1607
Jamie E. Craig, MBBS, DPhil, Danielle L. Healey, BSc, Paul N. Baird, PhD, Andrew I. McNaught, MD, FRCOphth, Paul J. McCartney, FRACO, Julian L. Rait, FRACO, Joanne L. Dickinson, PhD, Lynne Roe, BSc, John H. Fingert, MD, PhD, Edwin M. Stone, MD, PhD, David A. Mackey, MD, FRACO
Discussion: *John R. Samples, MD* 1619

Clinical Ability of Heidelberg Retinal Tomograph Examination to Detect Glaucomatous Visual Field Changes 1621
Stefano Miglior, MD, Marta Casula, MD, Magda Guareschi, MD, Ilaria Marchetti, MD, Michele Iester, MD, Nicola Orzalesi, MD

Surgical Management of Secondary Glaucoma after Pars Plana Vitrectomy and Silicone Oil Injection for Complex Retinal Detachment 1628
Donald L. Budenz, MD, Katia E. Taba, MD, William J. Feuer, MS, Ricardo Eliezer, MD, Scott Cousins, MD, Jeffrey Henderer, MD, Harry W. Flynn, Jr., MD

Vitrectomy for Retained Lens Material after Cataract Extraction: The Relationship between Histopathologic Findings and the Time of Vitreous Surgery 1633
C. P. Wilkinson, MD, W. Richard Green, MD

Fundus Changes Corresponding to Visual Field Defects after Vitrectomy for Macular Hole 1638
Naoko Yonemura, MD, Akira Hirata, MD, Tadashi Hasumura, MD, Akira Negi, MD

Outcomes after Laser Therapy for Threshold Retinopathy of Prematurity 1644
Rod Foroozan, MD, Brian P. Connolly, MD, William S. Tasman, MD

Adult Retinopathy of Prematurity: Outcomes of Rhegmatogenous Retinal Detachments and Retinal Tears 1647
Richard S. Kaiser, MD, Michael T. Trese, MD, George A. Williams, MD, Morton S. Cox, Jr., MD
Discussion: *William S. Tasman, MD* 1653

Terson Syndrome: A Case Report Suggesting the Mechanism of Vitreous Hemorrhage 1654
Tsukihiko Ogawa, MD, PhD, Takashi Kitaoka, MD, PhD, Yoshinori Dake, MD, PhD, Tsugio Amemiya, MD, PhD

Juxtapapillary Subretinal Pigment Epithelial Polypoid Pseudocysts Associated with Unilateral Tilted Optic Disc: Case Report with Clinicopathologic Correlation 1657
Frank Becquet, MD, PhD, Didier Ducournau, MD, Yvette Ducournau, MD, Yvan Goffart, MD, William H. Spencer, MD

Relationships between Vitreoretinal and Refractive Surgery 1663
Giacomo Panozzo, MD, Barbara Parolini, MD
Discussion: *Alvaro Rodriguez, MD* 1668

Drug Use and Five-year Incidence of Age-related Cataracts: The Beaver Dam Eye Study 1670
Barbara E. K. Klein, MD, Ronald Klein, MD, Kristine E. Lee, MS, Lorraine G. Danforth, BS

Anterior Capsule Opacification: Correlation of Pathologic Findings with Clinical Sequelae 1675
Liliana Werner, MD, PhD, Suresh K. Pandey, MD, David J. Apple, MD, Marcela Escobar-Gomez, MD, Lucia McLendon, BS, Tamer A. Macky, MD

Phacoemulsification in Patients after Allogeneic Bone Marrow Transplantation 1682
Mini Balaram, MD, M. Reza Dana, MD, MPH

Two-year Outcomes of Intrastromal Corneal Ring Segments for the Correction of Myopia 1688
David J. Schanzlin, MD, Richard L. Abbott, MD, Penny A. Asbell, MD, Kerry K. Assil, MD, Terry E. Burris, MD, Daniel S. Durrie, MD, Bradley D. Fouraker, MD, Richard L. Lindstrom, MD, James E. McDonald II, MD, Steven M. Verity, MD, George O. Waring III, MD

Topography-driven Excimer Laser for the Retreatment of Decentralized Myopic Photorefractive Keratectomy 1695
Giovanni Alessio, MD, Francesco Boscia, MD, Maria Gabriella La Tegola, MD, Carlo Sborgia, MD

Ophthalmic Technology Assessment

Intracameral Anesthesia: A Report by the American Academy of Ophthalmology 1704
Carol L. Karp, MD, Terry A. Cox, MD, PhD, Michael D. Wagoner, MD, Reginald G. Ariyasu, MD, PhD, Deborah S. Jacobs, MD

Contents

Volume 108, Number 10, October 2001

Letters to the Editor **1711**

Screening for Amblyopia in Preverbal Children: Improved Grading Criteria for Hyperopia

Glaze-evoked Amaurosis

Pepper Spray in the Eye

Mapping the Visual Field

Hypopyon after Amniotic Membrane Transplantation

Ocular Hypertensive Response to Dexamethasone

Visual Acuity Results after Plaque Radiotherapy

Risk Factors in AION

Sclerectomy versus Trabeculectomy in POAG

Guest Editorial: **Racial Disparities in Vision Impairment and Blindness: Causes and Future Research Direction** **1719**
M. Roy Wilson, MD, MS

Adverse Intraoperative Medical Events and Their Association with Anesthesia Management Strategies in Cataract Surgery **1721**
Joanne Katz, ScD, Marc A. Feldman, MD, MHS, Eric B. Bass, MD, MPH, Lisa H. Lubomski, PhD, James M. Tielsch, PhD, Brent G. Petty, MD, Lee A. Fleisher, MD, Oliver D. Schein, MD, MPH, The Study of Medical Testing for Cataract Surgery Study Team

Spontaneous Late Dislocation of Intraocular Lens Within the Capsular Bag in Pseudoexfoliation Patients **1727**
Faisal S. Jehan, MD, Nick Mamalis, MD, Alan S. Crandall, MD

Evaluation of Photorefractive Keratectomy Retreatments after Regressed Myopic Laser In Situ Keratomileusis **1732**
Francesco Carones, MD, Luca Vigo, MD, Alessandro V. Carones, MD, Rosario Brancato, MD

Laser In Situ Keratomileusis Results after Intrastromal Corneal Ring Segments, Intacs **1738**
Laura Gomez, MD, Arturo Chayet, MD

Evaluation of Corneal Stromal Changes In Vivo after Laser In Situ Keratomileusis with Confocal Microscopy **1744**
Pierre-Jean Pisella, MD, PhD, Olivier Auzerie, MD, Yves Bokobza, MD, Caroline Debbasch, Pharm D, PhD, Christophe Baudouin, MD, PhD

Prevalence and Causes of Visual Impairment in the Barbados Eye Study **1751**
Leslie Hyman, PhD, Suh-Yuh Wu, MA, Anthea M. S. Connell, FRCS, FRCOphth, Andrew Schachat, MD, Barbara Nemesure, PhD, Anselm Hennis, MRCP(UK), PhD, M. Cristina Leske, MD, MPH, The Barbados Eye Study Group

Changes in Visual Acuity in a Population Over a 10-Year Period: The Beaver Dam Eye Study 1757
Ronald Klein, MD, Barbara E. K. Klein, MD, Kristine E. Lee, MS, Karen J. Cruickshanks, PhD, Richard J. Chappell, PhD

Article for CME Credit

Evidence-based Recommendations for the Diagnosis and Treatment of Neovascular Glaucoma 1767
Jennifer A. Sivak-Callcott, MD, Denis M. O'Day, MD, J. Donald M. Gass, MD, James C. Tsai, MD, MBA

Central Corneal Thickness in the Ocular Hypertension Treatment Study (OHTS) 1779
James D. Brandt, MD, Julia A. Beiser, MS, Michael A. Kass, MD, Mae O. Gordon, PhD, and the Ocular Hypertension Treatment Study (OHTS) Group

Long-term Surgical Outcomes of Patients with Glaucoma Secondary to the Iridocorneal Endothelial Syndrome 1789
Erin A. Doe, MD, Donald L. Budenz, MD, Steven J. Gedde, MD, Nauman R. Imami, MD

Long-term Follow-up of Traumatic Glaucoma Treated with Molteno Implants 1796
J. Robert Fuller, MRCP, FRCOphth, Tui H. Bevin, MPH, Anthony C. B. Molteno, FRACO

Transscleral Contact Krypton Laser Cyclophotocoagulation for Treatment of Glaucoma in Children and Young Adults 1801
Virpi E. Raivio, MD, Ilkka J. R. Immonen, MD, Päivi M. Puska, MD

Delayed Suprachoroidal Hemorrhage after Glaucoma Filtration Procedures 1808
Sonal S. Tuli, MD, Darrell WuDunn, MD, PhD, Thomas A. Ciulla, MD, Louis B. Cantor, MD

Using Optical Imaging Summary Data to Detect Glaucoma 1812
Cesar Sanchez-Galeana, MD, Christopher Bowd, PhD, Eytan Z. Blumenthal, MD, Parag A. Gokhale, MD, Linda M. Zangwill, PhD, Robert N. Weinreb, MD

Clinical Profile and Outcome in *Bacillus* Endophthalmitis 1819
Taraprasad Das, MD, Kushal Choudhury, MD, Savitri Sharma, MD, Subhadra Jalali, MD, Rishita Nuthethi, MSc, and the Endophthalmitis Research Group

An In Vitro Resistance Study of Levofloxacin, Ciprofloxacin, and Ofloxacin Using Keratitis Isolates of *Staphylococcus aureus* and *Pseudomonas aeruginosa* 1826
Regis P. Kowalski, MS, [M]ASCP, Angana N. Pandya, MD, Lisa M. Karenchak, BS, [M]ASCP, Eric G. Romanowski, MS, Roger C. Husted, MD, David C. Ritterband, MD, M. K. Shah, MS, Y. Jerold Gordon, MD

Bacillus cereus Keratitis Associated with Contact Lens Wear 1830
Antonio Pinna, MD, Leonardo A. Sechi, PhD, Stefania Zanetti, PhD, Donatella Usai, PhD, Giovanni Delogu, PhD, Piero Cappuccinelli, MD, Francesco Carta, MD

Iatrogenic Complications Related to the Use of Herrick Lacrimal Plugs 1835
William L. White, MD, George B. Bartley, MD, Michael J. Hawes, MD John V. Linberg, MD, David B. Leventer, MD

Tacrolimus (FK506) in the Management of High-risk Corneal and Limbal Grafts 1838
C. Myra L. Sloper, MRCP, FRCOphth, Richard J. Powell, DM, FRCP, Harminder S. Dua, PhD, FRCS

Effect of Hinged Lamellar Keratotomy on Postkeratoplasty Eyes 1845
Massimo Busin, MD, Robert C. Arffa, MD, Luca Zambianchi, MD, Giuseppe Lamberti, MD, Adolfo Sebastiani, MD
Discussion: *Eric D. Donnenfeld, MD* 1851

Human Immunodeficiency Virus–positive Patients with Posterior Intracorneal Precipitates 1853
David S. Chu, MD, Gerald W. Zaidman, MD, David M. Meisler, MD, Careen Lowder, MD, Deborah S. Jacobs, MD, Christopher J. Rapuano, MD, Glenn J. Green, MD

Therapeutic Lamellar Keratoplasty for Limbal Dermoids 1858
J. Angus Scott, FRCS(Glasg), MRCOphth, Donald T. H. Tan, FRCS(Glasg), FRCOphth

Third (Fourth and Fifth) Nonocular Tumors in Survivors of Retinoblastoma 1868
David H. Abramson, MD, Mark R. Melson, BS, Ira J. Dunkel, MD, Christopher M. Frank, MD

Outcome of Patients with Periocular Sebaceous Gland Carcinoma with and without Conjunctival Intraepithelial Invasion 1877
An Ning Chao, MD, Carol L. Shields, MD, Hatem Krema, FRCS, Jerry A. Shields, MD

Orbital Involvement in Cherubism 1884
Fernando Colombo, MD, Claus Cursiefen, MD, Friedrich W. Neukam, MD, Leonard M. Holbach, MD

A Simplified Technique of Ptosis Repair Using a Single Adjustable Suture 1889
Murray A. Meltzer, MD, Ebrahim Elahi, MD, Paul Taupeka, MD, Elsa Flores, MD

Depression, Visual Acuity, Comorbidity, and Disability Associated with Age-related Macular Degeneration 1893
Barbara L. Brody, MPH, Anthony C. Gamst, PhD, Rebecca A. Williams, PhD, Amanda R. Smith, BA, Philip W. Lau, MA, Douglas Dolnak, DO, Mark H. Rapaport, MD, Robert M. Kaplan, PhD, Stuart I. Brown, MD, FAAO
Discussion: *Barbara S. Hawkins, PhD* 1900

Autologous Plasmin Enzyme in the Surgical Management of Diabetic Retinopathy 1902
Jonathan G. Williams, MD, Michael T. Trese, MD, George A. Williams, MD, Michael K. Hartzer, PhD
Discussion: *Peter Kroll, MD, Lutz Hesse, MD* 1905

Retinal Capillary Hemangioma: A Comparison of Sporadic Cases and Cases Associated with Von Hippel-Lindau Disease 1907
Arun D. Singh, MD, Mahnaz Nouri, MD, Carol L. Shields, MD, Jerry A. Shields, MD, Andrew F. Smith, PhD

Renal Coloboma Syndrome 1912
Pascal Dureau, MD, Tania Attie-Bitach, MD, PhD, Rémi Salomon, MD, PhD, Olivier Bettembourg, MD, Jeanne Amiel, MD, Yves Uteza, MD, Jean-Louis Dufier, MD

Nyctalopia in Antiquity: A Review of the Ancient Greek, Latin, and Byzantine Literature 1917
Dimitrios Brouzas, MD, Antonios Charakidas, MD, Michael Vasilakis, MD, Panagiotis Nikakis, MD, Dimitrios Chatzoulis, MD

Ophthalmic Technology Assessment 1922

Intrastromal Corneal Ring Segments for Low Myopia: A Report by the American Academy of Ophthalmology
Christopher J. Rapuano, MD, Alan Sugar, MD, MS, Douglas D. Koch, MD, Peter J. Agapitos, MD, William W. Culbertson, MD, Vincent P. de Luise, MD, David Huang, MD, PhD, Gary A. Varley, MD

Contents

Volume 108, Number 11, November 2001

Letters to the Editor 1929
IOP Rise during Simulated Flight
Microkeratome Accuracy in LASIK
Bilateral IOL Implantation in Children
Transforming Mucous Membrane into Skin Grafts
Cut and Paste
Central Island and Decentration Correction
Nontraumatic Subperiosteal Orbital Hemorrhage during Labor

Editorial: **Medical versus Surgical Therapy in Early Glaucoma** 1939
Don Minckler, MD

Guest Editorial: **Making Quality Important** 1941
Paul P. Lee, MD, JD, Richard L. Abbott, MD

Interim Clinical Outcomes in the Collaborative Initial Glaucoma Treatment Study Comparing Initial Treatment Randomized to Medications or Surgery 1943
Paul R. Lichter, MD, David C. Musch, PhD, MPH, Brenda W. Gillespie, PhD, Kenneth E. Guire, MS, Nancy K. Janz, PhD, Patricia A. Wren, PhD, MPH, Richard P. Mills, MD, and the CIGTS Study Group

The Collaborative Initial Glaucoma Treatment Study: Interim Quality of Life Findings after Initial Medical or Surgical Treatment of Glaucoma 1954
Nancy K. Janz, PhD, Patricia A. Wren, PhD, MPH, Paul R. Lichter, MD, David C. Musch, PhD, MPH, Brenda W. Gillespie, PhD, Kenneth E. Guire, MS, Richard P. Mills, MD, and the CIGTS Study Group

Prevalence and Predictors of Open-angle Glaucoma: Results from the Visual Impairment Project 1966
LeAnn M. Weih, PhD, MSc, Mukesh Nanjan, PhD, MPhil, Catherine A. McCarty, PhD, MPH, Hugh R. Taylor, MD, FRACO

A Prospective Study on Ocular Hypertensive and Antiinflammatory Response to Different Dosages of Fluorometholone in Children 1973
Dorothy S. P. Fan, FRCS, Joan S. K. Ng, FRCS, Dennis S. C. Lam, FRCS, FRCOphth

Corneal Graft Survival and Intraocular Pressure Control after Penetrating Keratoplasty and Glaucoma Drainage Device Implantation 1978
Claudia P. Arroyave, MD, Ingrid U. Scott, MD, MPH, Francisco E. Fantes, MD, William J. Feuer, MS, Timothy G. Murray, MD

Cyclodiode Photocoagulation for Refractory Glaucoma after Penetrating Keratoplasty 1986
Peter Shah, FRCOphth, Graham A. Lee, FRACO, James K. Kirwan, FRCOphth, Catey Bunce, MSc, Philip A. Bloom, FRCOphth, Linda A. Ficker, FRCOphth, Peng T. Khaw, FRCOphth

Plasma Antioxidant Vitamins and Carotenoids and Age-related Cataract 1992
Catharine R. Gale, PhD, Nigel G. Hall, MSc, FRCOphth, David I. W. Phillips, PhD, FRCP, Christopher N. Martyn, DPhil, FRCP

Late Opacification of the Foldable Hydrophilic Acrylic Lens SC60B-OUV 1999
Andreas Frohn, MD, H. Burkhard Dick, MD, Albert J. Augustin, MD, Franz H. Grus, MD, PhD

Clinical Evaluation of the Model AT-45 Silicone Accommodating Intraocular Lens: Results of Feasibility and the Initial Phase of a Food and Drug Administration Clinical Trial 2005
J. Stuart Cumming, MD, FRCOphth, Stephen G. Slade, MD, Arturo Chayet, MD, and the AT-45 Study Group

Discussion: *Theodore P. Werblin, MD, PhD* 2010

Correlation between Pupillary Size and Intraocular Lens Decentration and Visual Acuity of a Zonal-progressive Multifocal Lens and a Monofocal Lens 2011
Ken Hayashi, MD, Hideyuki Hayashi, MD, Fuminori Nakao, MD, Fumihiko Hayashi, MD

Pain, Photophobia, Retinal and Optic Nerve Function after Phacoemulsification with Intracameral Lidocaine 2018
M. Pierre Pang, MD, David K. Fujimoto, OD, Lynne R. Wilkens, DrPH

Oversized Corneal Grafts for Corneal Opacities with Iridocorneal Adhesions 2026
Rasik B. Vajpayee, MBBS, MS, Tanuj Dada, MD, Manotosh Ray, MD, Radhika Tandon, MD, FRCOphth, Anita Sethi, MD, FRCS, Kiran Turaka, MD

Corneal Interactive Programmed Topographic Ablation Customized Photorefractive Keratectomy for Correction of Postkeratoplasty Astigmatism 2029
Giovanni Alessio, MD, Francesco Boscia, MD, Maria Gabriella La Tegola, MD, Carlo Sborgia, MD

Clinicopathologic Analysis of 166 Patients with Primary Acquired Nasolacrimal Duct Obstruction 2038
Matthew W. Lee-Wing, MD, FRCSC, Michael E. Ashenhurst, MD, FRCSC

Spontaneous Loosening of Hydroxyapatite Peg Sleeves 2041
David R. Jordan, MD

Efficacy of Inferior Oblique Anterior Transposition Placement Grading for Dissociated Vertical Deviation 2045
Jonathan H. Engman, BA, James E. Egbert, MD, C. Gail Summers, MD, Terri L. Young, MD

Discussion: *Judith E. Gurland, MD* 2050

The Cost-effectiveness of Photodynamic Therapy for Fellow Eyes with Subfoveal Choroidal Neovascularization Secondary to Age-related Macular Degeneration 2051
Sanjay Sharma, MD, MSc (Epid), Gary C. Brown, MD, MBA, Melissa M. Brown, MD, MBA, Hussein Hollands, MSc, Gaurav K. Shah, MD

Assessment of Mutations in the Best Macular Dystrophy (VMD2) Gene in Patients with Adult-onset Foveomacular Vitelliform Dystrophy, Age-related Maculopathy, and Bull's-eye Maculopathy 2060
Johanna M. Seddon, MD, ScM, Mehran A. Afshari, MD, MPH, Sanjay Sharma, MD, MSc (Epid), Paul S. Bernstein, MD, PhD, Sandy Chong, BS, Amy Hutchinson, BA, Konstantin Petrukhin, PhD, Rando Allikmets, PhD

Lens-sparing Vitreous Surgery for Tractional Stage 4A Retinopathy of Prematurity Retinal Detachments 2068
Antonio Capone, Jr., MD, Michael T. Trese, MD

Occurrence of Uveitis in Recently Diagnosed Juvenile Chronic Arthritis: A Prospective Study 2071
Kaisu Kotaniemi, MD, Hannu Kautiainen, BA, Anni Karma, MD, PhD, Kimmo Aho, MD, PhD

The Infant Who is Visually Unresponsive on a Cortical Basis 2076
Avery H. Weiss, MD, John P. Kelly, PhD, James O. Phillips, MD

Article for CME Credit

Treatment Options and Future Prospects for the Management of Eyelid Malignancies: An Evidence-based Update 2088
Briggs E. Cook, Jr., MD, George B. Bartley, MD

Patterns of Regional and Distant Metastasis in Patients with Conjunctival Melanoma: Experience at a Cancer Center over Four Decades 2101
Bita Esmaeli, MD, Xuemei Wang, MS, Adel Youssef, MD, PhD, Jeffrey E. Gershenwald, MD

Multiagent Chemotherapy as Neoadjuvant Treatment for Multifocal Intraocular Retinoblastoma 2106
Matthew W. Wilson, MD, Carlos Rodriguez-Galindo, MD, Barrett G. Haik, MD, FACS, Darius M. Moshfeghi, MD, Thomas E. Merchant, DO, PhD, Charles B. Pratt, MD
Discussion: *Joan M. O'Brien, MD* 2114

Plaque Radiotherapy for Retinoblastoma: Long-term Tumor Control and Treatment Complications in 208 Tumors 2116
Carol L. Shields, MD, Jerry A. Shields, MD, Jacqueline Cater, PhD, Ihab Othmane, MD, Arun D. Singh, MD, Bizhan Micaily, MD

Experimental Increase in Accommodative Potential after Neodymium: Yttrium–Aluminum–Garnet Laser Photodisruption of Paired Cadaver Lenses 2122
Ronald R. Krueger, MD, MSE, Xiaoqi K. Sun, MD, PhD, James Stroh, MD, Raymond Myers, OD

Ophthalmic Technology Assessment

Cyclophotocoagulation: A Report by the American Academy of Ophthalmology 2130
Scott A. Pastor, MD, Kuldev Singh, MD, MPH, David A. Lee, MD, Mark S. Juzych, MD, MHSA, Shan C. Lin, MD, Peter A. Netland, MD, PhD, Ngoc T.A. Nguyen, MD

American Academy of Ophthalmology, Inc. 2139
- *Report of Independent Certified Public Accountants*

Contents

Volume 108, Number 12, December 2001

Letters to the Editor 2151

Lung Adenocarcinoma and Malignant Uveitis Masquerade Syndrome

Corneal Effects of Latanoprost and Timolol

Topical Ketorolac after Cataract Surgery

Nonpenetrating Deep Sclerectomy for Sturge-Weber Syndrome

Silicone Punctal Plug Extrusion

Transnasal Orbital Decompression in Severe Graves' Ophthalmopathy

Surgery for Full-thickness Macular Holes

Retina and Vitreous Pathology after LASIK

Visual Sensation in Cataract Surgery

Hydroxychloroquine Retinopathy

Guest Editorials:

Scleral Expansion Surgery for Presbyopia 2161
Paul L. Kaufman, MD

Trachoma Control: The End of the Beginning? 2163
Thomas M. Lietman, MD

Scleral Expansion Bands for Presbyopia 2165
François J. Malecaze, MD, PhD, Christophe S. Gazagne, MD, Michel C. Tarroux, MD, Jean-Marie Gorrand, PhD

Randomized Clinical Trial of Surodex Steroid Drug Delivery System for Cataract Surgery: Anterior versus Posterior Placement of Two Surodex in the Eye 2172
Donald T. H. Tan, FRCS, FRCOphth, Soon-Phaik Chee, FRCS, FRCOphth, Li Lim, MMed, FRCS, Julian Theng, MMed, FRCS, Manon Van Ede, MA

Mechanical Detachment of the Anterior Hyaloid Membrane from the Posterior Lens Capsule 2182
Hideo Torii, MD, Keizo Takahashi, MD, Fumiaki Yoshitomi, MD, Kazunori Miyata, MD, Yasuo Ishii, PhD, Tetsuro Oshika, MD

Intraoperative Management of Posterior Capsule Tears in Phacoemulsification and Intraocular Lens Implantation 2186
Howard V. Gimbel, MD, MPH, Ran Sun, MD, Maria Ferensowicz, BSc, MA, Ellen Anderson Penno, MD, MS, Aasim Kamal, MD

Discussion: *William J. Fishkind, MD, FACS* 2190

Otago Glaucoma Surgery Outcome Study: Long-term Follow-up of Cases of Primary Glaucoma with Additional Risk Factors Drained by Molteno Implants 2193
Anthony C. B. Molteno, FRCS, FRACO, Tui H. Bevin, MPH, Peter Herbison, MSc, Mary-Jane Houliston, FRACO

Mycobacterium Interface Keratitis after Laser In Situ Keratomileusis 2201
Abraham Solomon, MD, Carol L. Karp, MD, Darlene Miller, MPH, Sander R. Dubovy, MD, Andrew J. W. Huang, MD, MPH, William W. Culbertson, MD

Corneal Irregular Astigmatism and Contrast Sensitivity after Photorefractice Keratectomy 2209
Atsuo Tomidokoro, MD, Koichi Soya, MD, Kazunori Miyata, MD, Bastanfard Armin, MD, Sumiyoshi Tanaka, MD, Shiro Amano, MD, Tetsuro Oshika, MD

Abnormal Activation in the Visual Cortex after Corneal Refractive Surgery for Myopia: Demonstration by Functional Magnetic Resonance Imaging 2213
François J. Malecaze, MD, PhD, Kader A. Boulanouar, PhD, Jean F. Demonet, MD, PhD, José L. Guell, MD, PhD, Michel A. Imbert, PhD

Natural History of Trachomatous Scarring in The Gambia: Results of a 12-Year Longitudinal Follow-up 2219
Richard J. C. Bowman, FRCOphth, Buba Jatta, CHN, Bakary Cham, Robin L. Bailey, PhD MRCP, Hannah Faal, FRCOphth, Mark Myatt, BA, Allen Foster, FRCOphth, Gordon J. Johnson, MD, FRCOphth

Ocular Whipple's Disease: Earlier Definitive Diagnosis 2225
Roxanne Y. Chan, MD, Lawrence A. Yannuzzi, MD, C. Stephen Foster, MD

Chorioretinitis after Keratitis Caused by *Acanthamoeba*: Case Report and Review of the Literature 2232
Anouche Moshari, MD, Ian W. McLean, MD, Matthew T. Dodds, MD, Richard E. Damiano, MD, Peter L. McEvoy, LTC MC, USA

Circumscribed Choroidal Hemangioma: Clinical Manifestations and Factors Predictive of Visual Outcome in 200 Consecutive Cases 2237
Carol L. Shields, MD, Santosh G. Honavar, MD, Jerry A. Shields, MD, Jacqueline Cater, PhD, Hakan Demirci, MD

Injection of Tissue Plasminogen Activator into a Branch Retinal Vein in Eyes with Central Retinal Vein Occlusion 2249
Jeffrey N. Weiss, MD, Leon A. Bynoe, MD

Evaluation of Primary Surgical Procedures for Retinal Detachment with Macular Hole in Highly Myopic Eyes: A Randomized Comparison of Vitrectomy versus Posterior Episcleral Buckling Surgery 2258
Guido Ripandelli, MD, Andrea Maria Coppé, MD, Romolo Fedeli, MD, Vincenzo Parisi, MD, Donald J. D'Amico, MD, Mario Stirpe, MD

Discussion: *David Maberley, MD, FRCSC* 2265

The Effect of a Growth Hormone Receptor Antagonist Drug on Proliferative Diabetic Retinopathy 2266
Growth Hormone Antagonist for Proliferative Diabetic Retinopathy Study Group

Incidence of Retinal Detachment and Visual Outcome in Eyes Presenting with Posterior Vitreous Separation and Dense Fundus-obscuring Vitreous Hemorrhage 2273
Ramin Sarrafizadeh, MD, PhD, Tarek S. Hassan, MD, Alan J. Ruby, MD, George A. Williams, MD, Bruce R. Garretson, MD, Antonio Capone, Jr., MD, Michael T. Trese, MD, Raymond R. Margherio, MD

Dissociated Optic Nerve Fiber Layer Appearance of the Fundus after Idiopathic Epiretinal Membrane Removal 2279
Ramin Tadayoni, MD, Michel Paques, MD, Pascale Massin, MD, Soraya Mouki-Benani, MD, Jacqueline Mikol, MD, Alain Gaudric, MD

Clinical Spectrum of Primary Ophthalmic Rhabdomyosarcoma 2284
Carol L. Shields, MD, Jerry A. Shields, MD, Santosh G. Honavar, MD, Hakan Demirci, MD

Ocular Manifestations of Leukemia: Leukemic Infiltration versus Infectious Process 2293
Kathleen B. Gordon, MD, Hope S. Rugo, MD, Jacque L. Duncan, MD, Alexander R. Irvine, MD, Edward L. Howes, Jr., MD, Joan M. O'Brien, MD, Susan R. Carter, MD

Onset of Oscillopsia after Visual Maturation in Patients with Congenital Nystagmus 2301
Richard W. Hertle, MD, Edmond J. FitzGibbon, MD, John M. Avallone, MD, USN, Edward Cheeseman, MD, E. Katarina Tsilou, MD
Discussion: *Robert D. Reinecke, MD* 2307

Age-based Refinement of Referral Criteria for Photoscreening 2309
Sean P. Donahue, MD, PhD, Tammy M. Johnson, MPH
Discussion: *Mack S. Ruttum, MD* 2314

Neonatal Orbital Abscess 2316
Antonio A. V. Cruz, MD, PhD, Marisa M. Mussi-Pinhata, MD, PhD, Patricia M. S. Akaishi, MD, Luciana Cattebeke, MD, José Torrano da Silva, MD, Jorge Elia, Jr., MD

Lower Eyelid Medial Canthal Tendon Laxity Grading: An Interobserver Study of Normal Subjects 2321
Jane M. Olver, FRCOphth, Prabhati J. Sathia, MRCOphth, Melissa Wright, MSc

Sensitivity of Spiral Computed Tomography Scanning for Detecting Intraocular Foreign Bodies 2326
A. Bawa Dass, MD, Philip J. Ferrone, MD, Y. Ralph Chu, MD, Michael Esposito, MD, Linda Gray, MD

New Insights into the Pathophysiology of Primary Acquired Dacryostenosis 2329
Friedrich P. Paulsen, MD, Andreas B. Thale, MD, Steffen Maune, MD, Bernhard N. Tillman, MD

Endoscopic-guided Trephination Dacryocystorhinostomy (Hesham DCR): Technique and Pilot Trial 2337
Hesham Ali Ibrahim, FRCS, Ed, Joan Laura Noble, FRCOphth, Mark Batterbury, FRCOphth, Christopher Paul Johnson, MRCPath, Rachel Williams, PhD
Discussion: *John J. Woog, MD, FACS* 2345

Prevalence and Causes of Visual Impairment According to World Health Organization and United States Criteria in an Aged, Urban Scandinavian Population: The Copenhagen City Eye Study 2347
Helena Buch, MD, Troels Vinding, MD DMSc, Niels Vesti Nielsen, MD, DMSc

Nonlinear Behavior of Certain Optic Nerve Head Parameters and Their Determinants in Normal Subjects 2358
Alicja R. Rudnicka, MSc, PhD, Chris Frost, MA DipStat, Chris G. Owen, MSc, PhD, David F. Edgar, FCOptom

Ophthalmic Technology Assessment

Endonasal Dacryocystorhinostomy: A Report by the American Academy of Ophthalmology 2369
John J. Woog, MD, Robert H. Kennedy, MD, PhD, Philip L. Custer, MD, Sara A. Kaltreider, MD, Dale R. Meyer, MD, Jorge G. Camara, MD

Scientific Reviewers List 2378

Cumulative Contents of Volume 108 2385

Author Index to Volume 108 2424

Subject Index to Volume 108 2432